## ABSTRACT OF THE DISCLOSURE

The invention includes methods of forming aluminum containing lines having titanium nitride containing layers thereon, and preferably by physical vapor deposition. In one aspect, a first/layer including at least one of elemental aluminum or an aluminum allow is formed over a substrate. second layer including an alloy of titanjum and the aluminum from the first layer is formed. The alloy has a higher melting point than that of the first A third layer including titanium nitride is formed over the second layer. The first, second and third/layers are formed into a conductive line. layer. In one aspect, a method of forming an aluminum containing line having a titanium nitride containing layer thereon includes physical vapor depositing a first layer having at least one of elemental aluminum or an aluminum alloy over a substrate. At least one of elemental titanium or a titanium alloy is physical vapor deposited on the first layer, and formed therefrom is a second layer comprising an all by of titanium and the aluminum from the first layer. The alloy has a higher melting point than that of the first layer. layer comprising tita/hium nitride is physical vapor deposited over the second The first, second and third layers are photopatterned into a conductive layer. line.

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